

Constituent	Sediment Concentration (mg/kg dry weight)	KIF-ERM.VB.3_H.H-RA-111609 [mean] (Upstream)									
		<i>C. fluminea</i> Concentrations (mg/kg wet weight) UNTREATED					Bioaccumulation Factors (BAFs) UNTREATED				
		CB.W.C.01-MS	CB.W.C.02-MS	CB.W.C.03-MS	CB.W.C.04-MS	CB.W.C.05-MS	CB.W.C.01-MS	CB.W.C.02-MS	CB.W.C.03-MS	CB.W.C.04-MS	CB.W.C.05-MS
Aluminum	16,522	1.7	2.2	0.86	2	1.8	0.000103	0.000133	0.0000521	0.000121	0.000109
Antimony	14.1	0.032	0.041	0.029	0.037	0.02	0.00228	0.00292	0.00206	0.00263	0.00142
Arsenic	82	0.39	0.39	0.4	0.42	0.4	0.00473	0.00473	0.00485	0.0051	0.00485
Barium	421	0.66	0.58	0.55	0.67	0.61	0.00157	0.00138	0.00131	0.00159	0.00145
Beryllium	3.2	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Boron	60.7	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA
Cadmium	1.41	0.05	0.047	0.044	0.062	0.047	0.0356	0.0334	0.0313	0.0441	0.0334
Calcium	6,476	226	179	168	190	458	0.0349	0.0276	0.0259	0.0293	0.0707
Chromium	39.3	0.26	0.24	0.22	0.25	0.23	0.00662	0.00611	0.0056	0.00636	0.00585
Cobalt	11.6	0.082	0.078	0.07	0.085	0.076	0.00707	0.00673	0.00604	0.00733	0.00656
Copper	46.3	3.9	4.2	4.2	4.3	4.1	0.0843	0.0908	0.0908	0.093	0.0886
Iron	19,733	33.8	29.8	24.4	32.3	33.4	0.00171	0.00151	0.00124	0.00164	0.00169
Lead	18.3	0.064	0.041	0.03	0.058	0.051	0.00349	0.00224	0.00164	0.00316	0.00278
Magnesium	1,666	88.3	80.8	80.9	73.8	71.7	0.053	0.0485	0.0486	0.0443	0.043
Manganese	89	1.6	1.4	1.3	1.6	1.8	0.018	0.0157	0.0146	0.018	0.0202
Mercury	0.14	0.011	0.0096	0.0081	0.0071	0.0097	0.0788	0.0687	0.058	0.0508	0.0695
Molybdenum	4.3	0.13	0.13	0.13	0.14	0.13	0.0305	0.0305	0.0305	0.0329	0.0305
Nickel	29.2	0.078	0.081	0.068	0.096	0.077	0.00267	0.00277	0.00233	0.00328	0.00263
Potassium	2,332	59.2	63.9	61.4	64.7	48.9	0.0254	0.0274	0.0263	0.0277	0.021
Selenium	6.0	0.35	0.34	0.33	0.35	0.32	0.0582	0.0566	0.0549	0.0582	0.0532
Silver	1.41	0.0041	0.0044	0.0054	0.0051	0.0048	0.00292	0.00313	0.00384	0.00363	0.00342
Sodium	442.78	174	158	162	166	122	0.393	0.357	0.366	0.375	0.276
Strontium	NA	1.1	0.83	0.8	0.9	1.2	NA	NA	NA	NA	NA
Thallium	2.81	0.045	0.035	0.039	0.049	0.039	0.016	0.0125	0.0139	0.0175	0.0139
Vanadium	77.6	ND	0.055	0.056	0.061	ND	NA	0.000708	0.000721	0.000786	NA
Zinc	43.2	11.6	10.9	11	11	10.2	0.268	0.252	0.255	0.255	0.236

Note: Sediment concentrations were the mean concentrations for VB.3, untreated ash.

BAF - Bioaccumulation Factor [kg body weight (wet weight) / kg sediment (dry weight)].

ND - Not detected above the sample quantitation limit.

NA - Not applicable; a BAF is not calculated if sediment concentrations or bioaccumulation concentrations are ND.